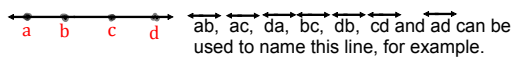


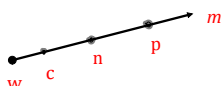
### Lines and Angles

A line (or line segment or ray) may have more than one name. It depends on how many defined points lay on the line.

In general, to name a line the points must be listed in order (either direction for a line or line segment, from endpoint to arrow for a ray) but do not have to be consecutive. At least two points must be listed.

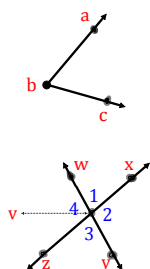


Consider the ray below. How many names can you think of for it?



Aug 24-6:56 PM

Naming angles is similar. If it is not confusing you can just use the label for the vertex. However it is common to use a point on one ray, then the vertex, then a point on the other ray to define an angle. This avoids ambiguity.



In the above, 1,2,3 and 4 label the angles while w,x,y and z label points. Also, v labels the point which is the shared vertex.

Aug 24-7:07 PM